

ECS Configuration Change Request

Page 1 of

Page(s)

1. Originator Byron V. Peters	2. Log Date: 17 Jul 00	3. CCR #: 00-0739	4. Rev: -	5. Tel: 301/883-4077	6. Rm #: 2101C	7. Dept. SED
8. CCR Title: Release COTS test executable for IRIX 6.2 Challenges with Gigabit Ethernet						
9. Originator Signature/Date <i>Byron V. Peters</i> 7/17/00			10. Class II	11. Type: CCR	12. Need Date: 7/17/00	
13. Office Manager Signature/Date <i>R. P. Wargadkar</i> 07/17/00			14. Category of Change: Update ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 28). Emergency	
16. Documentation/Drawings Impacted: 010 TDA-004 Rev 7 (will be updated on next SGI patch release) 9/1			17. Schedule Impact:		18. CI(s) Affected: ICL, DADS	
19. Release Affected by this Change: 5A, 5B		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: SMC 000 00000 2539						
23. Problem: (use additional sheets if necessary) In the process of installing the Cisco Catalyst 6500 Ethernet switch at NSIDC, severe errors on the interface input, throughput problems and system crashes were encountered on SGI systems running with the Gigabit Ethernet vfe interfaces under IRIX 6.2. This does not seem to be a problem with IRIX 6.5. P100BASE T						
24. Proposed Solution: (use additional sheets if necessary) SGI has a patch patchSGI00003563 that replaces the vfe binary. The patch has been field tested at NSIDC and appears to fix the it needs to be installed wherever there are SGI Challenges with vfe Gigabit Ethernet interfaces running IRIX 6.2. In order to expedite the process, it is requested to release this OS patch as a test executable which will be rolled up into the next patch release.						
25. Alternate Solution: (use additional sheets if necessary) Wait till the patch has been fully regression tested at Landover and then release.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) NSIDC operations will continue to be down.						
27. Justification for Emergency (if Block 15 is "Emergency"): NSIDC is out of service until the patch is released.						
28. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input type="checkbox"/> VATC <input type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. M&O CCB Chair (Sign/Date): <i>Paul L</i> 7/18/00			Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

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